

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

**Complete if Known**

Application Number	08/822,170
Filing Date	3/21/97
First Named Inventor	Mills
Group Art Unit	1754
Examiner Name	Langel
Attorney Docket Number	9113-2-CT2

RECEIVED
MAR 03 1997
CDD ID 1700

Sheet	1	of	8
-------	---	----	---

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
WAL		1,001,589		Hatfield	08-23-1911	
WAL		2,708,656		Fermi	05-17-1955	
WAL		4,512,966		Nelson	04-23-1985	
WAL		4,774,065		Penzorn	09-27-1988	
WAL		5,318,675		Patterson	06-07-1994	
WAL		5,372,688		Patterson	12-13-1994	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		COUNTRY ³ Office ³	Number ⁴	Kind Code ⁵ (if known)				
WAL		WO	90/10935	A1	Pons	09-20-1990		
WAL		WO	90/14668	A2	Cravens	11-29-1990		
WAL		WO	91/01036	A1	Dufour	01-24-1991		
WAL		WO	91/08573	A1	Bush	06-13-1991		
WAL		WO	93/17437	A1	Bush	09-02-1993		
WAL		WO	94/10688	A1	Dufour	05-11-1994		
WAL		WO	94/14163	A1	McKubre	06-23-1994		
WAL		WO	94/15342	A1	McKubre	07-07-1994		
WAL		WO	95/20816	A1	Piantelli	08-03-1995		
WAL		WO	96/42085	A2	Mills	12-27-1996		

Examiner Signature	WAYNE A. LANGE	Date Considered	4-27-99
--------------------	----------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

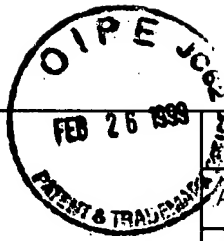
Sheet	2	of	8	Application Number	08/822,170
				Filing Date	3/21/97
				First Named Inventor	Mills
				Group Art Unit	1754
				Examiner Name	Langel
				Attorney Docket Number	9113-2-CT2

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WAL		Bishop, "More Labs Report Cold Fusion Results", Wall Street Journal, Oct. 19, 1992.	
WAL		Bishop, "It ain't over til it's over ... Cold Fusion", Popular Science, Aug. 1993, pp. 47-51.	
WAL		Browne, "Pysicists Put Atom in 2 Places at Once", The New York Times.	
WAL		Bush, et. al., "Power in a Jar: the Debate Heats Up", 88 Bus. Week, Science & Technology, Oct. 26, 1992.	
WAL		Bush, et. al., "Helium Production During the Electrolysis...Experiments", Preliminary Note, Univ. of Texas, pp. 1-12.	
WAL		Catlett, et. al., "Hydrogen transport in lithium hydride as a function of pressure" The Journal of Chemical Physics, 58(8), 3432-3438 (April 1978).	
WAL		Chien, et. al., "On an Electrode...Tritium and Helium", J. Electroanal Chem., 1992, pp. 189-212.	
WAL		Close, "Too Hot to Handle-The Race for Cold Fusion", Princeton University Press, 1989.	
WAL		Criddle, "The Roles of Solution...Excess Heating", Electrochemical Science & Technology Centre, Univ. of Ottawa.	
WAL		Datz, et. al., "Molecular Association in Alkali Halide Vapors", Journal of Chemical Physics, vol. 34, no. 5, (Feb. 1961), pp.558-564.	
WAL		Dagani, "Cold Fusion-Utah Pressures Pons, Fleischmann", January 14, 1991, C&EN, pp. 4-5.	
Examiner Signature	WAYNE A. LANGE		Date Considered
		4-27-99	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here is English language Translation is attached.



PTO/SB/08B (Modified)

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Sheet	3	of	8	Application Number	08/822,170
				Filing Date	3/21/97
				First Named Inventor	Mills
				Group Art Unit	1754
				Examiner Name	Langel
				Attorney Docket Number	9113-2-CT2

RECEIVED

MAR 03 1997

08/822-1700

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WAL		Dagani, "Latest Cold Fusion Results Fail to Win Over Skeptics", June 14, 1993, C&EN, pp.38-40.	
WAL		Dagani, "New Evidence Claimed for Nuclear Process in 'Cold Fusion'", C&EN Washington, (April 1991), pp. 31-33.	
WAL		Experimental Verification by Idaho National Engineering Laboratory, pp. 13-25.	
WAL		Hardy, et. al., "The Volatility of Nitrates and Nitrites of the Alkali Metals", Journal of the Chemical Society, pp. 5130-5134 (1963).	
WAL		Huizenga, "Cold Fusion-The Scientific Fiasco of the Century", Oxford University Press, 1993.	
WAL		Huizenga, "Cold Fusion Labeled Fiasco of the Century", Forum for Applied Research and Public Policy, Vol. 7, no. 4, pp. 78-83.	
WAL		Jones, (article by Dagani), "Cold Fusion Believer Research", June 5, 1995, C&EN, pp. 34-41.	
WAL		Jones, "Current Issues in Cold Fusion ... Particles", Surface and Coatings Technology, 51 (1992), pp. 283-289.	
WAL		Jones, et. al., "Faradic Efficiencies ... Cells", J. Phys. Chem. 1995, pp. 6973-6979.	
WAL		Jones, et. al., "Examination of Claims of Miles ... Experiments", J. Phys. Chem. 1995, pp. 6966-6972.	
Examiner Signature	WAYNE A. LANGE		Date Considered 4-27-97

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO

Complete if Known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	4	of	8	Attorney Docket Number	9113-2-CT2
-------	---	----	---	------------------------	------------

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WAL		Ivanco, et. al., "Calorimetry For a Ni/K ₂ CO ₃ Cell", AECL Research, June 1994.	
WAL		Kahn, "Confusion in a Jarr", Nova 1991.	
WAL		Karabut, et. al., "Nuclear Product...Deuterium", Physics Letters A170, (1992), pp. 265,	
WAL		Klein, "Attachments to Report of Cold Fusion Testing", Cold Fusion, No. 9, pp. 16-19.	
WAL		Labov, "Special Observations...Background", The Astrophysical Journal, 371, April 20, 1991, pp. 810-819.	
WAL		Lehigh X-Ray Photoelectron Spectroscopy Report, December 8, 1993.	
WAL		Miles, et. al., "Search for Anomalous Effects... Palladium Cathodes", Naval Air Warfare Center Weapons Division, Proceedings of 3 rd Int. Conf. on Cold Fusion,	
WAL		Miles et al, "Correlation of Excess...Palladium Cathodes", J. Electronl. Chem., 1993, pp. 99-117.	
WAL		Miles et al, "Heat and Helium...Experiments", Conference Proceedings, Vol. 33, 1991, pp. 363-372.	
WAL		Miles et al, "Electrochemical...Palladium Deuterium System", J. Electroanal Chem., 1990, pp. 241-254.	
Examiner Signature	WAYNE A. LANGE		Date Considered 4-27-99

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	5	of	8	Application Number	08/822,170
				Filing Date	3/21/97
				First Named Inventor	Mills
				Group Art Unit	1754
				Examiner Name	Langel
				Attorney Docket Number	9113-2-CT2

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WAL		Mills, et. al., "Fractional Quantum...Hydrogen", Fusion Technology, Vol. 28, Nov. 1995, pp. 1697-1719.	
WAL		Mills, Unification of Spacetime, the Forces, Matter, Energy, HydroCatalysis Power Corporation, 1992, pp. 53-84.	
WAL		Mills, "The Grand Unified Theory of Classical Quantum Mechanics", pp. 1-9,	
WAL		Mills, "Hydrocatalysis Power Technology", Statement of Dr. Randell L. Mills, May, 1993.	
WAL		Mills Technologies, "1KW Heat Exchanger System", Thermacore, Inc., Oct. 11 1991, pp. 1-6,	
WAL		Mills Technologies, "1KW Heat Exchanger System", Thermacore, Inc., April 17, 1992, pp. 1-6,	
WAL		Monroe, et. al., "A Schrodinger Cat Superposition State of an Atom", Science, Vol. 272, (May 24, 1996), pp 1131-1101.	
WAL		Morrison, "Review of Progress in Cold Fusion", Transactions of Fusion Technology, Vol. 26, Dec. 1994, pp. 48-55.	
WAL		Morrison, "Cold Fusion Update No. 12, ICCPG", Jan. 17, 1997, available online at "www.skypoint.com".	
WAL		Niedra, "Replication of the Apparent Excess Heat Effect in Light Water ... Cell", NASA Technical Memorandum 107167, (Feb. 1996).	
Examiner Signature	WAYNE A. LANGE		Date Considered 4-27-99

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Sheet	6	of	8	Application Number	08/822,170
				Filing Date	3/21/97
				First Named Inventor	Mills
				Group Art Unit	1754
				Examiner Name	Langel
				Attorney Docket Number	9113-2-CT2

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WAL		Nieminen, "Hydrogen atoms band together", Nature, Vol. 356, 26 March 1992, pp. 289-291.	
WAL		Notoya, et. al., "Excess Heat Production in Electrolysis ... Electrodes", Proceedings of the Int. Conf. on Cold Fusion, Oct. 21-25, 1992, Tokyo, Japan.	
WAL		Rees, "Cold Fusion...What Do We Think?", Journal of Fusion Energy, (1991), Vol. 10, No. 1, pp. 110-116.	
WAL		Rousseau, "Case Studies in Pathological Science", Vol. 80, American Scientist, (1992), pp. 54-63.	
WAL		Service, "Cold Fusion: Still Going", Newsweek Focus, July 19, 1993.	
WAL		Shaubach, et. al., "Anomalous Heat...Carbonate", Thermacore, Inc., pp. 1-10.	
WAL		Storms, et. al., "Electrolytic Tritium Production", Fusion Technology, Vol. 17, July 1990, pp. 680-695.	
WAL		Taubes, "Bad Science", Random House, 1993, pp. 303, 425-481.	
WAL		Vaselli et al., "Screening Effect of Impurities in Metals: A possible Explanation of the Process of Cold Nuclear Fusion", 11 Nuovo Cimento Della Societa Italiana di Fisica,	
WAL		Williams, "Upper Bounds on Cold Fusion in Electrolytic Cells", Nature, vol. 342, 23 November 1989, pp. 375-384.	
Examiner Signature	WAYNE A. LANGE		Date Considered 4-27-99

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	7	of	8	Application Number	08/822,170
				Filing Date	3/21/97
				First Named Inventor	Mills
				Group Art Unit	1754
				Examiner Name	Langel
				Attorney Docket Number	9113-2-CT2

RECEIVED
 MAR 06 1997
 08/822,170

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WAL		Yamaguchi et al, "Direct Evidence...Palladium", NTT Basic Research Laboratories, (1992) pp. 1-10.	
WAL		Zweig, "Quark Catalysis of Exothermal Nuclear Reactions", Science, Vol. 201, (1978), pp. 973-979.	
WAL		Bush, et. al., Journal Electroanal. Chem., Vol. 304, pp. 271-278 (1991).	
WAL		Shrivenvassan, et. al., 3 rd Annual Conference on Cold Fusion (1992).	
WAL		Notoya, Fusion Technology, Vol. 24, p. 202 (1993).	
WAL		Ohmori, et. al., Fusion Technology, Vol. 24, p. 293 (1993).	
WAL		Boston Globe, Wednesday, April 19, 1989, "Successful nuclear fusion experiment by the Italians",	
WAL		Oka, et. al., "D ₂ O-fueled fusion power reactor using electromagnetically induced D-D _n , D-D _p , and Deuterium-tritium reactions-preliminary design of a reactor system", Fusion	
WAL		Fusion Digest, "Cold Nuclear Fusion Bibliography", 1993.	
WAL		Rogers, "Isotopic hydrogen fusion in metals", Fusion Technology, Vol. 16, No. 2,	
WAL		Fusion Digest, "Heat? Neutrons? Charged Particles?", 1993,	
WAL		Brodowsky, "Solubility and diffusion of hydrogen and deuterium in palladium and palladium alloys", Technical Bulletin, Engelhard Indust., vol. 7, no. 1-2 (1966), pp. 41-50.	
WAL		Prop. to the United Press, "Theory May Explain 'Cold Fusion' Puzzle"; 1991; Lexis Nexis Reprint,	
Examiner Signature	WAYNE A. LANGEL		Date Considered 4-27-99

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Sheet	8	of	8	Application Number	08/822,170
				Filing Date	3/21/97
				First Named Inventor	Mills
				Group Art Unit	1754
				Examiner Name	Langel
				Attorney Docket Number	9113-2-CT2

RECEIVED

MAR 03 1999

CR0101700

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WAL		The Associated Press, "Pennsylvania Company...Cold Fusion Mystery"; 1991, Lexis Nexis Reprint ,	
WAL		The New York Times, "2 Teams Put New Life in 'Cold' Fusion Theory"; 1991; Section A, Page 18, Column 1; Lexis Nexis Reprint ,	
WAL		The Washington Post, "Two New Theories on Cold Fusion...Scientists"; 1991; 1 st ,	
Examiner Signature	WAYNE A. LANGEL		Date Considered
			4-27-99

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.